

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus comprising:
a link quality estimation unit operative to generate a link quality estimation in response to a forward link power control instruction received on a forward link common control channel, wherein the forward link common control channel is shared by a plurality of remote stations; and
a power control unit coupled to the link quality estimation unit, the power control unit operative to generate a reverse link power control instruction in response to the link quality estimation,
wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.
2. (Previously Presented) The apparatus of claim 1, wherein the apparatus controls transmission power of the reverse link power control instruction on a reverse link in response to the forward link power control instruction.
3. (Previously Presented) The apparatus of claim 1, wherein the apparatus transmits the reverse link power control instruction on a reverse link.
4. (Currently Amended) An apparatus comprising:
a determination unit operative to determine a reverse link power control instruction received on a reverse link for base station transmission on a forward link;
an adjustment unit coupled to the determination unit, the adjustment unit operative to adjust a transmission power level of a forward link power control instruction based on the reverse link power control instruction; and

a transmitter operative to transmit the forward link power control instruction on a forward link common control channel, wherein the forward link common control channel is shared by a plurality of remote stations.

5-10. (Canceled)

11. (Previously Presented) An apparatus comprising:

a determination unit operative to determine a reverse link power control instruction received on a reverse link for base station transmission on a forward link;

an adjustment unit coupled to the determination unit, the adjustment unit operative to adjust a transmission power level of a forward link power control instruction based on the reverse link power control instruction, wherein the transmission power level of the forward link power control instruction is initially set to a reference value; and

a transmitter operative to transmit the forward link power control instruction on a forward link common channel, wherein the forward link common channel is shared by a plurality of remote stations.

12. (Previously Presented) An apparatus comprising:

a link quality estimation unit operative to generate a link quality estimation in response to a forward link power control instruction received on a forward link common channel, wherein the link quality estimation is a SNR and the apparatus shares the forward link common channel with at least one remote station; and

a power control unit coupled to the link quality estimation unit, the power control unit operative to generate a reverse link power control instruction in response to the link quality estimation,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

13. (Currently Amended) A method for power control in a wireless communication system, the method comprising:

generating a link quality estimation in response to a forward link power control instruction received on a forward link common control channel, wherein the forward link common control channel is shared by a plurality of remote stations; and

generating a reverse link power control instruction in response to the link quality estimation,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

14. (Previously Presented) The method of claim 13, further comprising controlling transmission power of the reverse link in response to the forward link power control instruction.

15. (Previously Presented) The method of claim 13, further comprising transmitting the reverse link power control instruction on the reverse link.

16. (Previously Presented) A method for power control in a wireless communication system, the method comprising:

generating a link quality estimation in response to a forward link power control instruction received on a forward link common channel, wherein the link quality estimation is a SNR and the forward link common channel is shared by a plurality of remote stations; and

generating a reverse link power control instruction in response to the link quality estimation,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

17. (Currently Amended) A method for power control in a wireless communication system, the method comprising:

determining a reverse link power control instruction received on a reverse link for base

station transmission on a forward link;

adjusting a transmission power level of a forward link power control instruction based on the reverse link power control instruction; and

transmitting the forward link power control instruction on a forward link common control channel, wherein the forward link common control channel is shared by a plurality of remote stations.

18. (Previously Presented) A method for power control in a wireless communication system, the method comprising:

determining a reverse link power control instruction received on a reverse link for base station transmission on a forward link;

adjusting a transmission power level of a forward link power control instruction based on the reverse link power control instruction, wherein a transmission power level of the forward link power control instruction is initially set to a reference value; and

transmitting the forward link power control instruction on a forward link common channel, wherein the forward link common channel is shared by a plurality of remote stations.

19. (Currently Amended) An apparatus comprising:

means for generating a link quality estimation in response to a forward link power control instruction received on a forward link common control channel, wherein the forward link common control channel is shared by a plurality of remote stations; and

means for generating a reverse link power control instruction in response to the link quality estimation,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

20. (Previously Presented) The apparatus of claim 19, further comprising means for controlling transmission power of the reverse link power control instruction on a reverse link in response to the forward link power control instruction.

21. (Previously Presented) The apparatus of claim 19, further comprising means for transmitting the reverse link power control instruction on a reverse link.

22. (Previously Presented) An apparatus comprising:

means for generating a link quality estimation in response to a forward link power control instruction received on a forward link common channel, wherein the link quality estimation is a SNR and the apparatus shares the forward link common channel with at least one remote station; and

means for generating a reverse link power control instruction in response to the link quality estimation,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

23. (Currently Amended) An apparatus comprising:

means for determining a reverse link power control instruction received on a reverse link for base station transmission on a forward link;

means for adjusting a transmission power level of a forward link power control instruction based on the reverse link power control instruction,

wherein the means for adjusting are coupled to the means for determining; and

means for transmitting the forward link power control instruction on ~~[[the]]~~ a forward link common control channel, wherein the forward link common control channel is shared by a plurality of remote station.

24. (Currently Amended) An apparatus comprising:

means for determining a reverse link power control instruction received on a reverse link for base station transmission on a forward link;

means for adjusting a transmission power level of a forward link power control instruction based on the reverse link power control instruction, wherein the transmission power

level of the forward link power control instruction is initially set to a reference value, wherein the means for adjusting are coupled to the means for determining; and

means for transmitting the forward link power control instruction on ~~[[the]]~~ a forward link common channel, wherein the forward link common channel is shared by a plurality of remote stations.

25. (Currently Amended) A machine-readable medium embodying a method for power control in a remote station, the method comprising:

generating a link quality estimation in response to a forward link power control instruction received on a forward link common control channel, wherein the remote station shares the forward link ~~command~~ common control channel with at least one other remote station; and

generating a reverse link power control instruction in response to the link quality estimation,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

26. (Currently Amended) A machine-readable medium embodying a method for power control in a base station, the method comprising:

determining a reverse link power control instruction received on a reverse link for base station transmission on a forward link;

adjusting a transmission power level of a forward link power control instruction based on the reverse link power control instruction; and

transmitting the forward link power control instruction on a forward link common control channel, wherein the forward link ~~command~~ common control channel is shared by a plurality of remote stations.

27. (Canceled)

28. (Previously Presented) The apparatus of claim 1, wherein the link quality estimation unit is operative to generate the link quality estimation based on a received power level of the forward link power control instruction.

29. (Previously Presented) The apparatus of claim 4, wherein the reverse link power control instruction is extracted from a signal received on the reverse link.

30–32. (Canceled)

33. (Previously Presented) The method of claim 13, wherein the link quality estimation is generated based on a received power level of the forward link power control instruction.

34. (Previously Presented) The method of claim 17, wherein the determination comprises extracting the reverse link power control instruction from a signal received on the reverse link.

35–37. (Canceled)

38. (Previously Presented) The apparatus of claim 19, wherein the means for generating a link quality estimation unit are for generating the link quality estimation based on a received power level of the forward link power control instruction.

39. (Previously Presented) The apparatus of claim 23, wherein the reverse link power control instruction is extracted from a signal received on the reverse link.

40–41. (Canceled)

42. (Currently Amended) A remote station, comprising:

a link quality estimation unit operative to generate a link quality estimation in response to a forward link power control instruction received on a forward link common control channel, wherein the remote station shares the forward link common control channel with at least one

other remote station;

a power control unit coupled to the link quality estimation unit, the power control unit operative to generate a reverse link power control instruction in response to the link quality estimation; and

one or more antennas configured to receive the forward link power control instruction on the forward link,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

43. (Currently Amended) A base station, comprising:

a determination unit operative to determine a reverse link power control instruction received on a reverse link for base station transmission on a forward link;

an adjustment unit coupled to the determination unit, the adjustment unit operative to adjust a transmission power level of a forward link power control instruction based on the reverse link power control instruction;

one or more antennas configured to receive the reverse link power control instruction on the reverse link; and

a transmitter operative to transmit the forward link power control instruction on a forward link common control channel, wherein the forward link common control channel is shared by a plurality of remote stations.

44. (Previously Presented) A machine-readable medium embodying a method for power control in a remote station, the method comprising:

generating a link quality estimation in response to a forward link power control instruction received on a forward link common channel, wherein the link quality estimation is a SNR and the remote station shares the forward link common channel with at least one other remote station; and

generating a reverse link power control instruction in response to the link quality estimation,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

45. (Previously Presented) A remote station, comprising:

a link quality estimation unit operative to generate a link quality estimation in response to a forward link power control instruction received on a forward link common channel, wherein the link quality estimation is a SNR and the remote station shares the forward link common channel with at least one other remote station;

a power control unit coupled to the link quality estimation unit, the power control unit operative to generate a reverse link power control instruction in response to the link quality estimation; and

one or more antennas configured to receive the forward link power control instruction on the forward link,

wherein the reverse link power control instruction includes one or more commands configured to adjust a transmit power of the forward link at a base station.

46. (Previously Presented) A machine-readable medium embodying a method for power control in a base station, the method comprising:

determining a reverse link power control instruction received on a reverse link for base station transmission on a forward link;

adjusting a transmission power level of a forward link power control instruction based on the reverse link power control instruction, wherein the transmission power level of the forward link power control instruction is initially set to a reference value; and

transmitting the forward link power control instruction on a forward link common channel, wherein the forward link common channel is shared by a plurality of remote stations.

47. (Previously Presented) A base station, comprising:

a determination unit operative to determine a reverse link power control instruction received on a reverse link for base station transmission on a forward link;

an adjustment unit coupled to the determination unit, the adjustment unit operative to adjust a transmission power level of a forward link power control instruction based on the reverse link power control instruction, wherein the transmission power level of the forward link power control instruction is initially set to a reference value;

one or more antennas configured to receive the reverse link power control instruction on the reverse link; and

a transmitter operative to transmit the forward link power control instruction on a forward link common channel, wherein the forward link common channel is shared by a plurality of remote stations.

48. (Currently Amended) The apparatus of claim 1, wherein the forward link power control instruction and other forward link power control instructions for the plurality of remote stations are multiplexed on the forward link common control channel.

49. (Currently Amended) The apparatus of claim 4, wherein the forward link power control instruction and other forward link power control instructions for the plurality of remote stations are multiplexed on the forward link common control channel.

50. (Currently Amended) The method of claim 13, wherein the forward link power control instruction and other forward link power control instructions for the plurality of remote stations are multiplexed on the forward link common control channel.

51. (Currently Amended) The method of claim 17, wherein the forward link power control instruction and other forward link power control instructions for the plurality of remote stations are multiplexed on the forward link common control channel.

52. (Currently Amended) The apparatus of claim 19, wherein the forward link power control instruction and other forward link power control instructions for the plurality of remote stations are multiplexed on the forward link common control channel.

53. (Currently Amended) The apparatus of claim 23, wherein the forward link power control instruction and other forward link power control instructions for the plurality of remote stations are multiplexed on the forward link common control channel.

54. (Currently Amended) The machine-readable medium of claim 25, wherein the forward link power control instruction for the remote station and another forward link power control instruction for the at least one other remote station are multiplexed on the forward link common control channel.

55. (Currently Amended) The machine-readable medium of claim 26, wherein the forward link power control instruction and other forward link power control instructions for the plurality of remote stations are multiplexed on the forward link common control channel.

56. (Currently Amended) The remote station of claim 42, wherein the forward link power control instruction for the remote station and another forward link power control instruction for the at least one other remote station are multiplexed on the forward link common control channel.

57. (Currently Amended) The base station of claim 43, wherein the forward link power control instruction and other forward link power control instructions for the plurality of remote stations are multiplexed on the forward link common control channel.